### EVF-1152S/66

#### Single 15" Two-Way 60° x 60° Full-Range Loudspeaker System



#### **Key Features:**

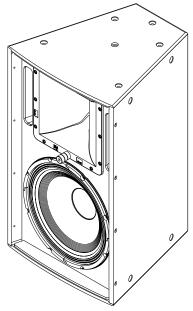
- ND2B 2" (51mm) Diaphragm, 1.4" (36mm) Exit
   Pure Titanium Compression Driver
- SMX2151 15" (381mm) LF Transducer with Fully Symmetric Drive
- Advanced 4<sup>th</sup> Order Crossover Network with HF Protection
- Coverage Pattern: 60° x 60° Constant Directivity™ 12" Rotatable Waveguide
- 101 dB Sensitivity, 134 dB Maximum SPL
- System Rating: 500W Continuous, (2000W Peak)
- Active Rating: LF400W/HF40W Continuous (1600W/160W Peak)
- (22) M10 Threaded Suspension Points
- PI Version Available with Gland Nut and Stainless Steel Grille

#### **General Description:**

The Electro-Voice® EVF-1152S/66 is a high power, 2-way loudspeaker system that can be used in a variety of applications where high quality sound reinforcement is required in a compact, lightweight package.

The EVF-1152S/66 utilizes the ND2B, a high output 2" titanium compression driver, coupled to a Constant Directivity™ 60° x 60° waveguide. The SMX2151 15" woofer used FEA optimization for motor, suspension, and electrical design for very low distortion, high efficiency, and maximum intelligibility at high SPL levels. The crossover uses steep 24 dB/octave slopes with equalization for very smooth response in vocal range, linear off-axis response, and a protection circuit for long term reliability.

The EVF-1152S/66 features make it ideal for many fixed install applications. The trapezoidal enclosure is constructed out of weather resistant birch, and coated with EVCoat™ for maximum protection from the elements. The unique acoustic and rigging design allows for vertical and horizontal clusters to be built using any combination of loudspeakers from the entire EVF & EVH Series, with 7 horn patterns to choose from and an assortment of Low Frequency and subwoofer loudspeakers, it gives you the tools to maximize flexibility of system design, no matter what the application and budget. The innovative input panel provides choice of phoenix style connector (included in all standard models) or the ability to add; a dual NL4 type connector cover plate or gland nut cover plate (for weatherizing applications). An externally accessible jumper selects passive or active operation. An available 70.7/100 Volt transformer kit simply mounts to the input panel for use in distributed systems. All these features give you the flexibility to do a large range of venues with fewer items in inventory and quickly support your customer's requirements.



#### **Technical Specifications:**

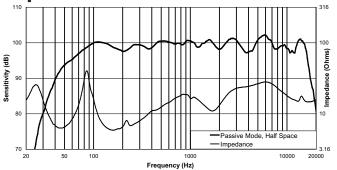
Freq. Response <sup>1</sup> (-3 dB):	70 Hz - 14 kHz	
Freq. Range <sup>1</sup> (-10 dB):	41 Hz - 18 kHz	
Rec. Hipass Frequency:	45 Hz	
Axial Sensitivity:	101 dB (1W/1m)	
Max. Calculated SPL:	134 dB	
Horizontal Coverage:	60°	
Vertical Coverage:	60°	
Power Handling:	500W Continuous, 2000W Peak	
LF Transducer:	SMX2151, 15 in (381mm) Driver	
HF Transducer:	ND2B, 2 in (51mm) Diaphragm Compression Driver	
Crossover Frequency:	1450 Hz	
Nominal Impedance:	8 Ohms	
Minimum Impedance:	6.0 Ohms	
Connectors:	(2) 4 Contact 10 AWG Phoenix/ EuroBlock Style Screw Terminal	PI Version - Gland Nut with Included Input Panel Cover
Enclosure Material:	13 Ply Weather Resistant Birch	
Grille:	16 GA Galva- nneal, Powder- coat, with Rotat- able Logo	PI Version - Stainless Steel with Hydropho- bic Cloth
Suspension:	(22) M10 Threaded Points	
Dimensions (H x W x D):	30.26" x 18.50" x 18.37" (768.6mm x 469.8mm x 466.6mm)	
Net Weight:	70.9 lb (32.1 kg)	
Shipping Weight:	81.2 lb (36.8 kg)	

<sup>1</sup> Half Space Measurement.

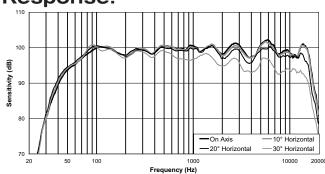


## EVF-1152S/66 Loudspeaker System

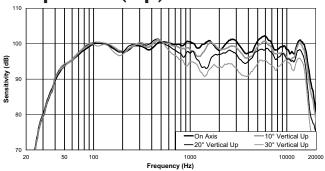
# Frequency Response & Impedance:



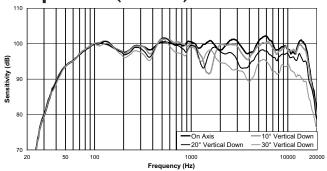
# Horizontal Off Axis Frequency Response:



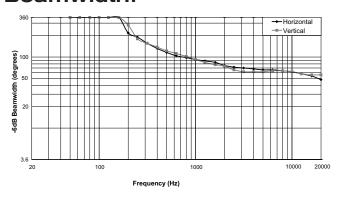
# Vertical Off Axis Frequency Response (Up):



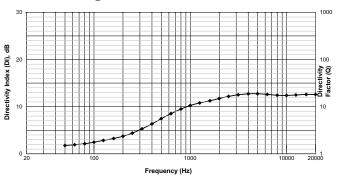
# Vertical Off Axis Frequency Response (Down):



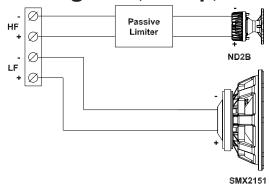
#### Beamwidth:



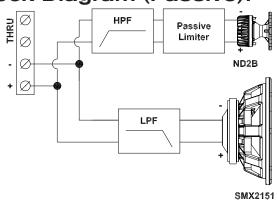
### **Directivity:**



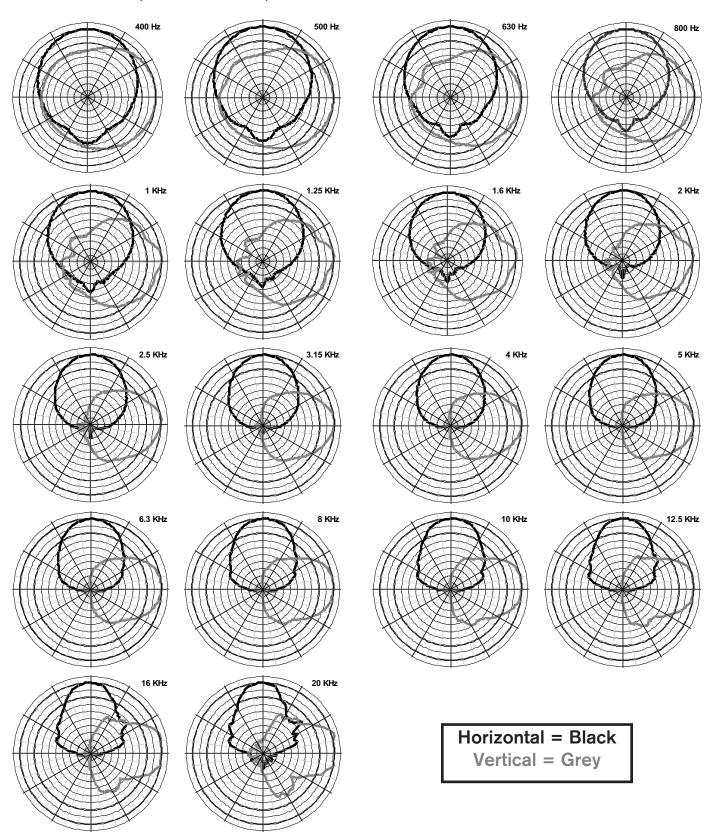
## **Block Diagram (Biamp):**



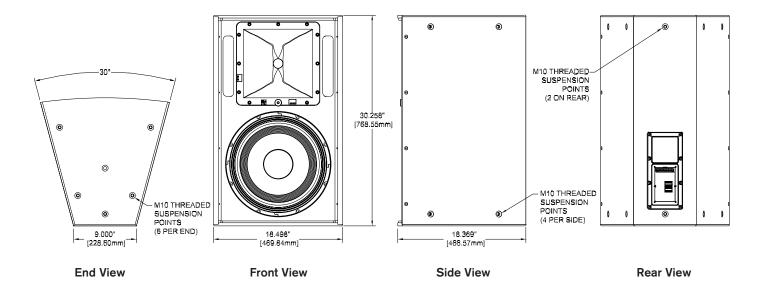
## **Block Diagram (Passive):**



# Polar Plots (1/3 Octave):



#### **Dimension Drawings:**



#### EVF-1152S/66 Part Numbers

PRD000207-001 EVF-1152S/66-BLK, 60° x 60°, Black Finish PRD000207-002 EVF-1152S/66-WHT. 60° x 60°. White Finish PRD000207-003 EVF-1152S/66-PIB, 60° x 60°, Black Finish, Weather Resistant

PRD000207-004 EVF-1152S/66-PIW, 60° x 60°, White Finish, **Weather Resistant** 

PRD000207-005 EVF-1152S/66-FGB, 60° x 60°, Black Finish, Weather Resistant Fiberglass

- PRD000207-006 EVF-1152S/66-FGW, 60° x 60°, White Finish,

Weather Resistant Fiberglass

CPS4.10, 120V Power Amplifier, 4 x 1000W

## CAUTION /

This EVF Loudspeaker should be suspended overhead only in accordance with the procedures and limitations specified in the EVF/EVH Users Manual and possible manual update notices. This system should be suspended with certified rigging hardware by an authorized rigging professional and in compliance with local, state, and federal overhead suspension ordinances.

#### Performance Match

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<ul><li>PRD0</li></ul>	00199	EVF-1122S/64, 60° x 40° Coverage
<ul> <li>PRD0</li> </ul>	00200	EVF-1122S/66, 60° x 60° Coverage
<ul><li>PRD0</li></ul>	00201	EVF-1122S/94, 90° x 40° Coverage
<ul><li>PRD0</li></ul>	00202	EVF-1122S/96, 90° x 60° Coverage
<ul> <li>PRD0</li> </ul>	00203	EVF-1122S/99, 90° x 90° Coverage
<ul><li>PRD0</li></ul>	00204	EVF-1122S/126, 120° x 60° Coverage
<ul><li>PRD0</li></ul>	00205	EVF-1152S/43, 40° x 30° Coverage
<ul><li>PRD0</li></ul>	00206	EVF-1152S/64, 60° x 40° Coverage
<ul><li>PRD0</li></ul>	00208	EVF-1152S/94, 90° x 40° Coverage
<ul><li>PRD0</li></ul>	00209	EVF-1152S/96, 90° x 60° Coverage
<ul><li>PRD0</li></ul>	000210	EVF-1152S/99, 90° x 90° Coverage
<ul><li>PRD0</li></ul>	000211	EVF-1121S, 12" Bass Element
<ul><li>PRD0</li></ul>	00212	EVF-1151S, 15" Bass Element
<ul><li>PRD0</li></ul>	000213	EVF-1181S, 18" Bass Element
<ul> <li>F.01U</li> </ul>	J.076.843	CPS2.9, 120V Power Amplifier, 2 x 900W
• F.01U	J.076.844	CPS2.12, 120V Power Amplifier, 2 x 1200W
<ul> <li>D170</li> </ul>	469	CPS4.5, 120V Power Amplifier, 4 x 500W

#### Accessories ACC000084-000

ACC000085-000 CSG, Cover Plate, Single Gland Nut CDG, Cover Plate, Dual Gland Nut ACC000086-000 ACC000087-000 TK-150, 70V Transformer, 150W ACC000089-001 HRK-1B, Horiz. Rigging Kit, EVF, Black ACC000089-002 HRK-1W, Horiz. Rigging Kit, EVF, White HRK-2B, Horiz. Rigging Kit, EVF-SUB, Black ACC000090-001 ACC000090-002 HRK-2W, Horiz. Rigging Kit, EVF-SUB, White ACC000091-001 HRK-3B, Horiz. Rigging Kit, EVH, Black ACC000091-002 HRK-3W, Horiz. Rigging Kit, EVH, White ACC000092-001 VRK-1B, Vert. Rigging Kit, EVF, Black ACC000092-002 VRK-1W, Vert. Rigging Kit, EVF, White ACC000093-001 VRK-2B, Vert. Rigging Kit, EVF-SUB, Black VRK-2W, Vert. Rigging Kit, EVF-SUB, White ACC000093-002 ACC000094-001 VRK-3B, Vert. Rigging Kit, EVH, Black ACC000094-002 VRK-3W, Vert. Rigging Kit, EVH, White

CDNL4, Cover Plate, Dual NL4

### Electro-Voice®

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www.electrovoice.com

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